BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Singapura Village Surrounding Areas in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

							Estimate Cost Rs.		2500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2015-16**	Cum							
	Srinivas House to Savithri House Road		1	72.00	4.50	0.15	48.60		
	Amir House Road		1	38.00	5.00	0.15	28.50		
	Pushpavathi House to Lakka Layout Road		1	83.00	5.00	0.15	62.25		
	Drive Gowda House to Lakka Layout Road		1	66.00	5.30	0.15	52.47		
			1	35.00	4.00	0.15	21.00		
	Culvert		1	6.00	2.00	1.20	14.40		
							227.22	83.16	**18896.00**
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	**83.16**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2015-16**	Cum							
	Srinivas House to Savithri House Road		1	72.00	4.50	0.15	48.60		
	Amir House Road		1	38.00	5.00	0.15	28.50		
	Pushpavathi House to Lakka Layout Road		1	83.00	5.00	0.15	62.25		
	Drive Gowda House to Lakka Layout Road		1	66.00	5.30	0.15	52.47		
			1	35.00	4.00	0.15	21.00		
	Culvert		1	6.00	1.80	0.15	1.62		
							214.44	5070.60	**1087339.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
3	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2015-16**	Cum							
	For Culverts		2x1	6.00	0.60	0.90	6.48		
							6.48	4905.36	**31787.00**
	Basic Rate	4542.00							
	Area Weightage @ 8%	363.36							
	Total	**4905.36**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 109 / Item No. 15.1 / PWD SR 2015-16**	Sqm							
	For Culverts Pointing		2x1	6.00		0.90	10.80		
							10.80	99.36	**1073.00**
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	**99.36**							
4	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD**	Cum							
	Coping		1	6.00	1.80	0.10	1.08		
							1.08	5490.72	**5930.00**
	Basic Rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	**5490.72**							
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31 / PWD SR 2015-16**	Sqm							
	for cd deck slab		1	6.00	0.60		3.60		
	Covering sides		2x1	6.00		0.23	2.76		
			2x1	1.80		0.23	0.83		
							7.19	306.72	**2205.00**
	Basic Rate	284.00							
	Area Weightage @8%	22.72							
	Total	**306.72**							
6	Providing and laying cement concrete using 20mm and down size granite jelly of **ready mixed concrete (RMC)for R.C.C works** laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2015-16**	Cum							
	Srinivas House to Savithri House Road		1	72.00	4.50	0.125	40.50		
	Amir House Road		1	38.00	5.00	0.125	23.75		
	Pushpavathi House to Lakka Layout Road		1	83.00	5.00	0.125	51.88		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Drive Gowda House to Lakka Layout Road		1	66.00	5.30	0.125	43.73		
			1	35.00	4.00	0.125	17.50		
	For Culvert		1	6.00	1.80	0.23	2.48		
							179.83	6332.04	**1138716.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
7	KSRB 4.9.2: Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16**	Tonne							
	for Culvert		0.09	2.48			0.22		
							0.22	69805.80	**15606.00**
	Basic Rate	64635.00							
	Area Weightage @ 8%	5170.80							
	Total	**69805.80**							
8	Vaccum De-watering with vaccum pump and suction mat and compaction with **skin floater clubbed with floating disc** including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **174 / Item No. 22.7 / PWD SR 2015-16**	Sqm							
	Srinivas House to Savithri House Road		1	72.00	4.50		324.00		
	Amir House Road		1	38.00	5.00		190.00		
	Pushpavathi House to Lakka Layout Road		1	83.00	5.00		415.00		
	Drive Gowda House to Lakka Layout Road		1	66.00	5.30		349.80		
			1	35.00	4.00		140.00		
							1418.80	97.20	**137907.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
9	Providing **groove cutting** for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator and HOM of machinery including cost of blade coolant etc including cleaning of groove and providing sand and hot bitumne fillars, and filler metal etc., indluding cost of converyance of all materials, labours, lead and lift charges and all other incidental charges as per drawing and as per specification **Concrete Pavement Page No. 175 / Item No. 22.8.1 / PWD SR 2015-16**	Rmt							
			7	4.50			31.50		
			4	5.00			20.00		
			8	5.00			40.00		
			6	5.30			31.80		
			3	4.00			12.00		
							135.30	124.20	**16804.00**
	Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	**124.20**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. **From 0.00 to 11.90 Km** (PWD SR Rates P No 139)	Cum							
			Qty. Vide Item No. 1				**170.42**	106.34	**18121.00**
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 TX 11.90Km X 2.0/km= 30.46	30.46							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
		98.46							
	Area Weightage @ 8%	7.88							
	Total	**106.34**							
11	Sub Total								**2474384.00**
12	Third Party Inspection Charges @ 1%								**24744.00**
13	Miscellaneous and unforeseen charges	L/S							**872.00**
								Total	**2500000.00**

(Rupees Twenty Five Lakhs Only)

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2015-16.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

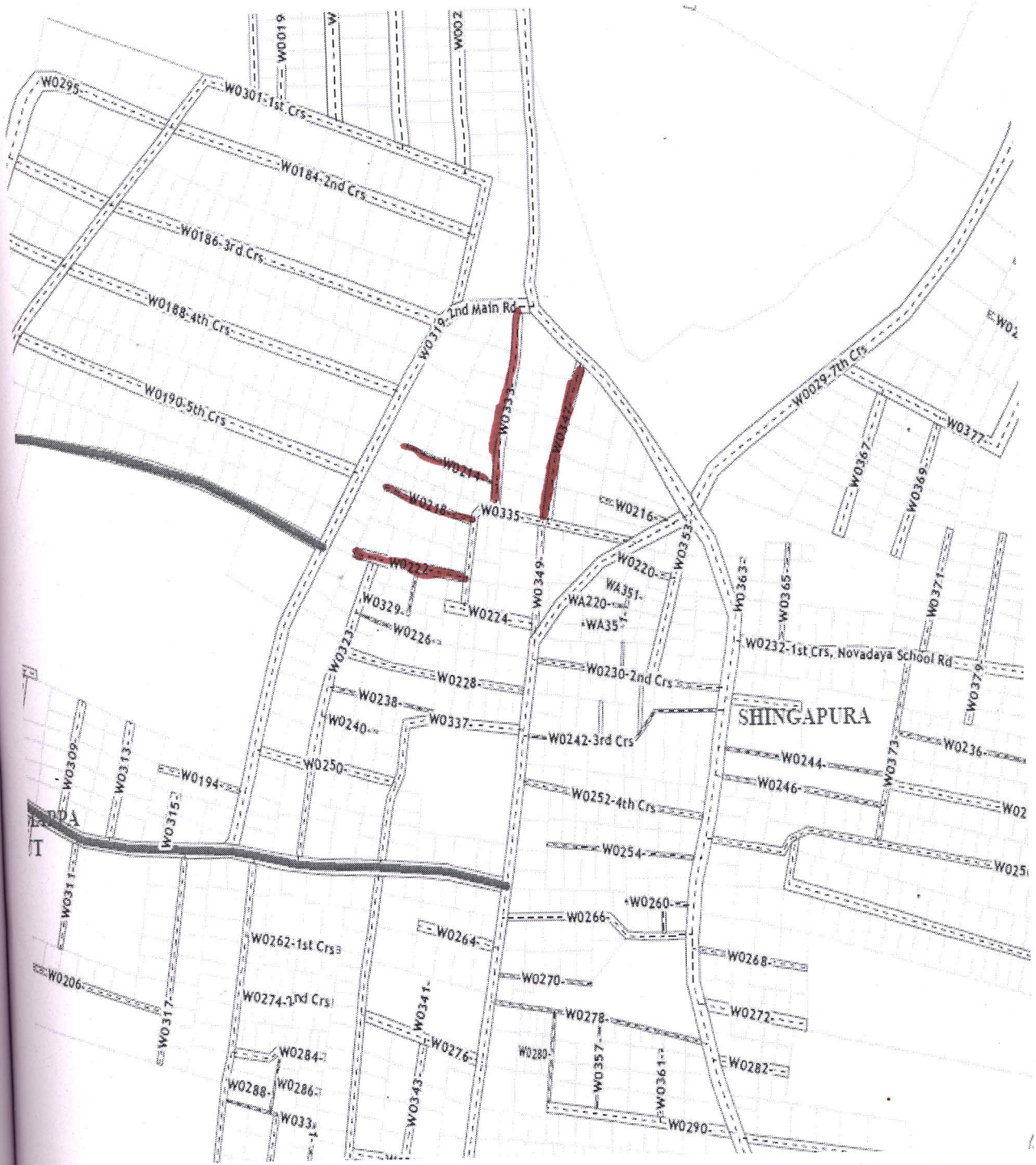
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
8/12/15

Administrative Approval
Accorded For 2500000/-
Head of A/C P-1771
CER NO 60 **Dt:** 14.12.2015

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 2500000=00
Head of A/c. P-1771
Div. Ref. No. 34/15-16 Dated
AE SE(BTP)
Superintending Engineer
Yelahanka Zone
BBMP Bangalore

Name of Work: Improvements to Roads and Drains at Singapura Village Surrounding Areas in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.



→ proposed work spot

W-11

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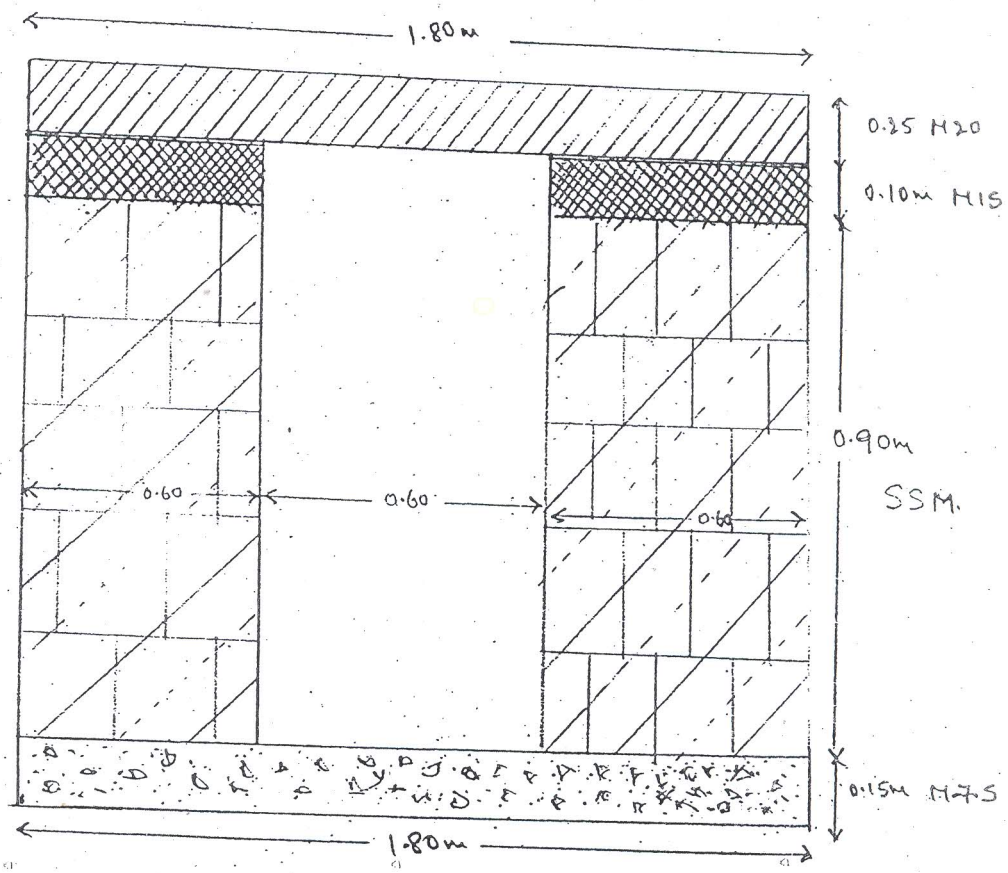
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97



CROSS SECTION OF CULVERT

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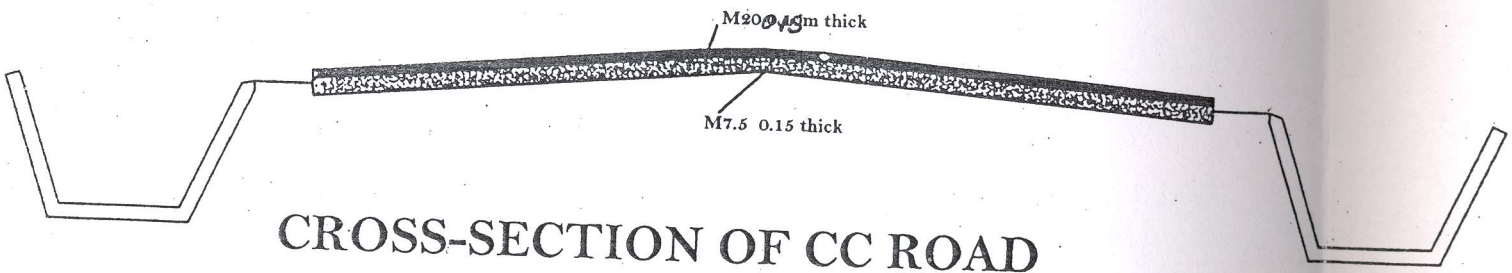
ಯಲಹಂಕ ಜಿಲ್ಲೆ
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97

NAME OF WORK:-



CROSS-SECTION OF CC ROAD

INDEX

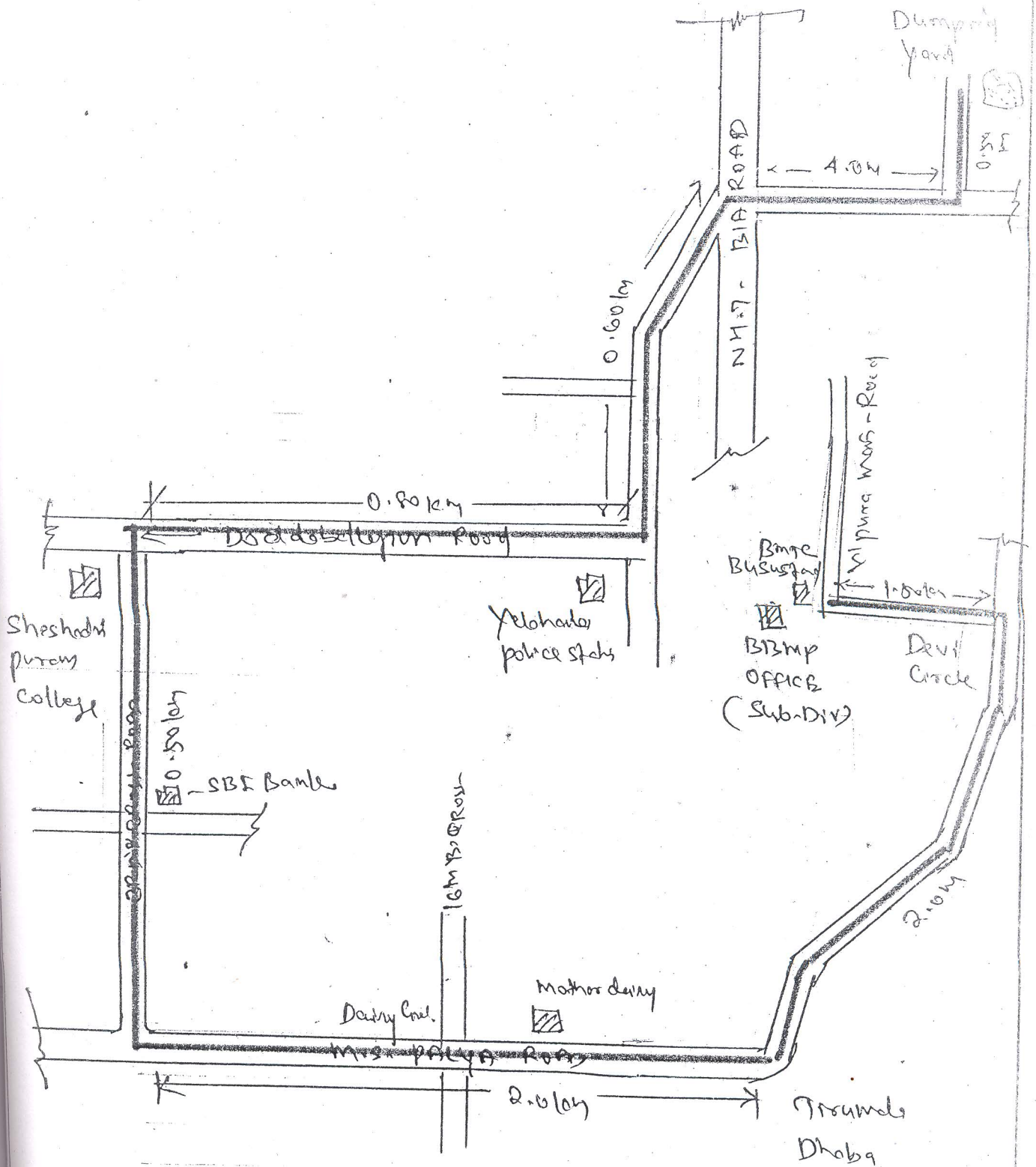
M7.5 1:4:8 0.15m Thick

M20 1:1.5:3 0.10m Thick

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION.

LOAD CHART FOR DUMPING YARD FOR WARD NO 11



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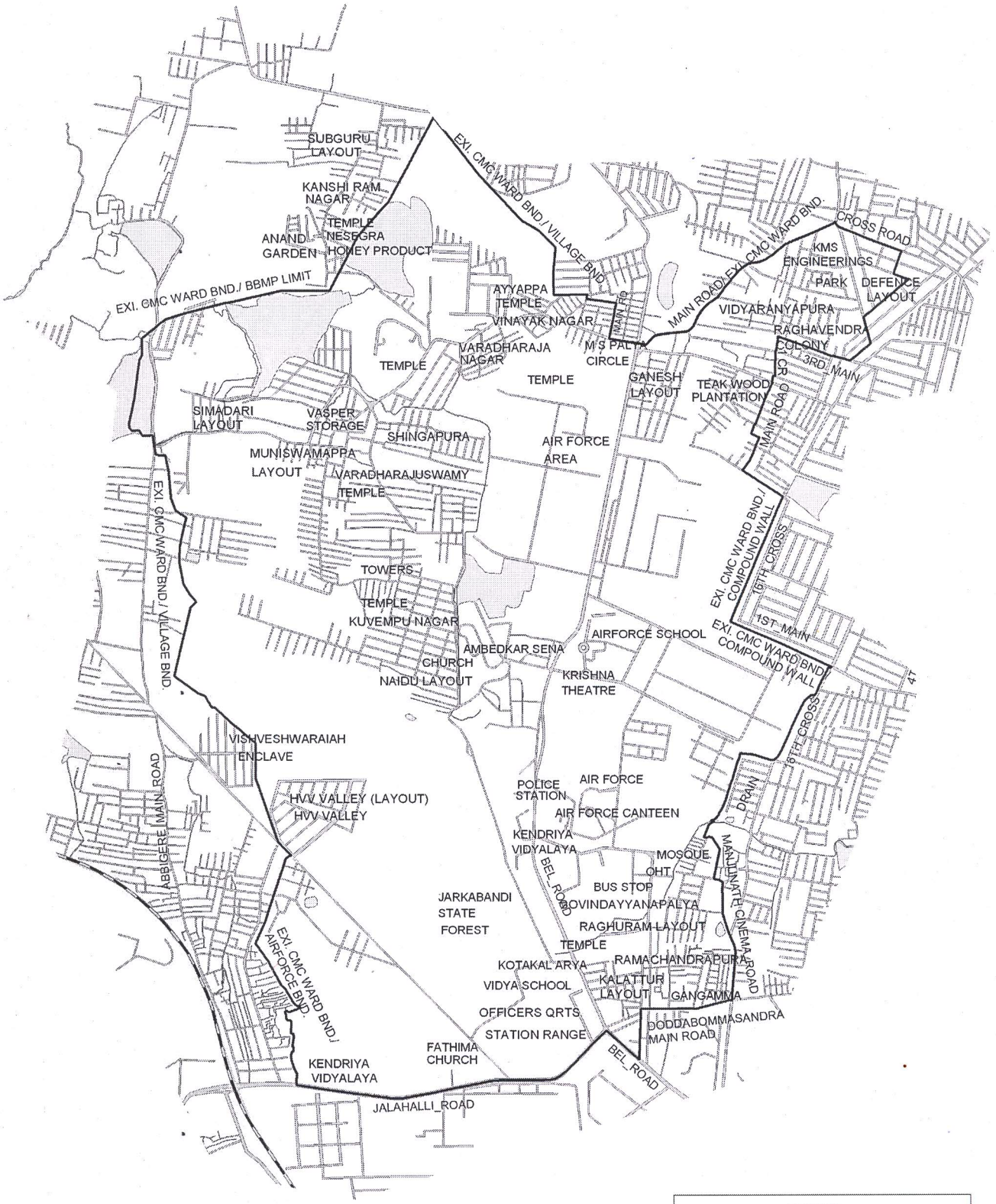
152 - BYATARAYANAPURA AC
WARD NAME : 11 - KUVEMPU NAGAR



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- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

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ಯಲಹಂಕ ಮಲಯ,
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